

**IN THE CLAIM**

Please amend claims 1 and 22 and newly add claims 23 and 24 to read as follow:

1           1. (Currently Amended) A process for quantitating a human DNA in a sample, said  
2 process comprising the steps of:

3           providing a sample to be analyzed;

4           amplifying predetermined genomic DNA ~~containing~~ of an *Alu* element subfamily by  
5 using primers, said *Alu* element subfamily being more enriched in the human genome ~~compared~~  
6 ~~to~~ than in any non-human primate genome~~primates genomes~~, the amplification being intra-*Alu*  
7 polymerase chain reaction amplification; and

8           measuring the amount of the human DNA by comparing the amplified DNA with a  
9 reference to quantitate the human DNA in the sample.

1           2. (Canceled)

1           3. (Canceled)

1           4. (Canceled)

1           5. (Previously Presented) The process of claim 1, wherein the amplification is a  
2 polymerase chain reaction with the primers containing the following sequences:

3 5' CGAGGCGGGTGGATCATGAGGT 3'(SEQ ID NO: 3)

4 and

5 5' TCTGTCGCCCAGGCCGACT 3' (SEQ ID NO: 4).

1 6. (Previously Presented) The process of claim 1, wherein the amplification is a  
2 polymerase chain reaction with the primers containing the following sequences:

3 5' GAGATCGAGACCACGGTGAAA 3' (SEQ ID NO: 5)

4 and

5 5' TTTGAGACGGAGTCTCGTT 3' (SEQ ID NO: 6).

1 7. (Previously Presented) The process of claim 1, wherein the measurement step  
2 comprises the step of measuring the amount of the human DNA on an agarose gel stained with  
3 ethidium bromide.

1 8. (Previously Presented) The process of claim 1, wherein the measurement step  
2 comprises the step of measuring the amount of the human DNA by using a qPCR system.

1 9. (Previously Presented) The process of claim 1, wherein the measurement step  
2 comprises the step of measuring the amount of the human DNA by using *TaqMan* chemistry.

1 Claims 10-20. (Canceled)

1           21. (Previously Presented) A process for quantitating a human DNA in a sample, said  
2 process comprising the steps of:

3           providing a sample to be analyzed;

4           amplifying predetermined genomic DNA containing an *Alu* element by using primers,  
5 said *Alu* element being present only in the human genome, the amplification being intra-*Alu*  
6 polymerase chain reaction amplification; and

7           measuring the amount of the human DNA by comparing the amplified DNA with a  
8 reference.

1           22. (Currently Amended) A process for quantitating a human DNA in a sample, said  
2 process comprising the steps of:

3           providing a sample to be analyzed;

4           amplifying predetermined genomic DNA ~~containing a young of an~~ *Alu* element  
5 subfamily by using primers, said predetermined genomic DNA including subfamily-specific  
6 diagnostic mutations, a copy number of said young *Alu* element predetermined genomic DNA in  
7 the human genome being higher than a copy number of said *Alu* element predetermined genomic  
8 DNA in any non-human primate genome, largely absent from non human primates, the  
9 amplification being intra-*Alu* polymerase chain reaction amplification; and

10           measuring the amount of the human DNA by comparing the amplified DNA with a  
11 reference.

1           23. (New) The process of claim 1, wherein each of said primers includes a subfamily-  
2           specific diagnostic mutation.

1           24. (New) The process of claim 21, wherein each of said primers includes a subfamily-  
2           specific diagnostic mutation.